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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/713,159	11/17/2003	Dae-Sung Han	1594.1291	9459
21171	7590	08/03/2004	EXAMINER	
STAAS & HALSEY LLP SUITE 700 1201 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005			FUQUA, SHAWNTINA T	
			ART UNIT	PAPER NUMBER
			3742	

DATE MAILED: 08/03/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/713,159

Applicant(s)

HAN ET AL.

Examiner

Shawntina T. Fuqua

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 November 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 16 is/are allowed.
- 6) ☒ Claim(s) 1-10 and 15 is/are rejected.
- 7) ☒ Claim(s) 11-14 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 November 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 11/17/03, 7/13/04.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Specification

1. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

2. The abstract of the disclosure is objected to because it contains more than 150 words.

Correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by GB-2286111.

GB-2286111 discloses a cooking apparatus comprising a cabinet/tray (11) opened at a top surface (Figures 4-7), a grill (14, 61, 62, 65) seated in the opening to support food, a heating unit (23) in the cooking cabinet, a plurality of reflecting members (24) wherein the reflecting members has a projection (32) and the thermal heat generated is repeatedly reflected (Figure 3), the heating units are set in both sides of the cavity opposite to each other and are inclined to tilt toward the opening (Figures 1, 3).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 4-5, 7-8, and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over GB-2286111 in view of Huck (US3154004).

GB-2286111 discloses all of the recited subject matter except a removable tray, a timer switch to control operation, and a power switch. Huck discloses a removable tray (27), a timer switch (28) to control operation, and a power switch (26). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have included a tray that is removable, a timer, and a power switch as taught by Huck in the cooking apparatus of GB-2286111 because, a removable tray allows the cooking apparatus to be cleaned more easily, and a timer and power switch allows the apparatus to be controlled more efficiently.

7. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over GB-2286111 in view of Huck as applied to claim 4 above, and further in view of KR-200216089.

GB-2286111 in view of Huck discloses all of the recited subject matter except a heating unit which includes a ceramic member with a heating element. KR-200216089 discloses a heating unit which includes a ceramic member with a heating element (abstract). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have a heating unit which includes a ceramic member with a heating element as taught by KR-200216089 in the apparatus of GB-2286111 along with the removable tray and switches of Huck

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because, a heating unit which includes a ceramic member with a heating element allows the food to be heated more uniformly.

8. Claims 9-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over GB-2286111 in view of Huck as applied to claim 4 above, and further in view of Hennick (US5189945).

GB-2286111 in view of Huck discloses all of the recited subject matter except a grill unit comprising a plurality of water tanks on both sides and a plurality of grill pipes between the tanks and having hollow structures so that water flows through pipes from the tank wherein the pipes are continuously cooled. Hennick discloses a grill unit comprising a plurality of water tanks on both sides and a plurality of grill pipes between the tanks and having hollow structures so that water flows through pipes from the tank wherein the pipes are continuously cooled (abstract, Figures 1-3). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have included the grill unit of Hennick in the apparatus of GB-2286111 along with the tray, and switches of Huck because, a grill unit comprising a plurality of water tanks on both sides and a plurality of grill pipes between the tanks and having hollow structures so that water flows through pipes from the tank wherein the pipes are continuously cooled prevents the food from sticking to the grill while it is being cooked.

Allowable Subject Matter

9. Claim 16 is allowed.

10. Claims 11-14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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11. The following is a statement of reasons for the indication of allowable subject matter: the prior art of record neither discloses nor suggests a tray which has a hump along a central axis thereof and reflecting plates on both sides of the hump, and first, second, and third reflecting members positioned around the heating unit at predetermined locations.


Conclusion

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shawntina T. Fuqua whose telephone number is (703) 305-2581. The examiner can normally be reached on Monday-Friday 8-4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robin Evans can be reached on (703) 305-5766. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

stf
July 30, 2004


Shawntina Fuqua
Patent Examiner
Art Unit 3742